

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents  
United States Patent and Trademark  
Office  
Box PCT  
Washington, D.C.20231  
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

<b>Date of mailing (day/month/year)</b> 18 July 2000 (18.07.00)	
<b>International application No.</b> PCT/GB99/04064	<b>Applicant's or agent's file reference</b> IT/GM/N9280
<b>International filing date (day/month/year)</b> 03 December 1999 (03.12.99)	<b>Priority date (day/month/year)</b> 03 December 1998 (03.12.98)
<b>Applicant</b> LOCHUN, Darren et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:  
19 June 2000 (19.06.00)

☐ in a notice effecting later election filed with the International Bureau on:  
\_\_\_\_\_

2. The election ☒ was  
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Juan Cruz Telephone No.: (41-22) 338.83.38
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## TENT COOPERATION TRE/Y

PCT

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis,  
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

TOLLETT, Ian  
Williams, Powell & Associates  
4 St. Pauls Churchyard  
London EC4M 8AY  
ROYAUME-UNI

Date of mailing (day/month/year) 17 November 2000 (17.11.00)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference IT/GM/N9280	
International application No. PCT/GB99/04064	
International filing date (day/month/year) 03 December 1999 (03.12.99)	

1. The following indications appeared on record concerning:



the applicant



the inventor



the agent



the common representative

Name and Address

BRUNEL UNIVERSITY  
Uxbridge  
Middlesex UB8 3PH  
United Kingdom

State of Nationality

GB

State of Residence

GB

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:



the person



the name



the address



the nationality



the residence

Name and Address

RT MICROWAVE LIMITED  
15 Tower Drive  
Gourock PA19 1LE  
United Kingdom

State of Nationality

GB

State of Residence

GB

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:



the receiving Office



the International Searching Authority



the International Preliminary Examining Authority



the designated Offices concerned



the elected Offices concerned



other:

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

I. Britel

Telephone No.: (41-22) 338.83.38

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# PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

Tollett, Ian  
WILLIAMS, POWELL & ASSOCIATES  
4 St. Paul's Churchyard  
LONDON EC4M 8AY  
GRANDE BRETAGNE

PCT

## NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing  
(day/month/year)

19.03.2001

Applicant's or agent's file reference  
IT/GM/N9280

### IMPORTANT NOTIFICATION

International application No.  
PCT/GB99/04064

International filing date (day/month/year)  
03/12/1999

Priority date (day/month/year)  
03/12/1998

Applicant  
RT MICROWAVE LIMITED et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

#### 4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

 European Patent Office  
D-80298 Munich  
Tel. +49 89 2399 - 0 Tx: 523656 epmu d  
Fax: +49 89 2399 - 4465

Authorized officer

Baumann, H

Tel. +49 89 2399-2131



# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT


(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>IT/GM/N9280</b>	<b>FOR FURTHER ACTION</b>		See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. <b>PCT/GB99/04064</b>	International filing date (day/month/year) <b>03/12/1999</b>	Priority date (day/month/year) <b>03/12/1998</b>	
International Patent Classification (IPC) or national classification and IPC <b>H05K1/09</b>			
Applicant <b>RT MICROWAVE LIMITED et al.</b>			

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets, including this cover sheet.  
  
☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  
  
 These annexes consist of a total of    sheets.

3. This report contains indications relating to the following items:

- I   ☒ Basis of the report
- II   ☐ Priority
- III   ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV   ☐ Lack of unity of invention
- V   ☐ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI   ☐ Certain documents cited
- VII   ☐ Certain defects in the international application
- VIII   ☒ Certain observations on the international application

Date of submission of the demand  <b>19/06/2000</b>	Date of completion of this report  <b>19.03.2001</b>
Name and mailing address of the international preliminary examining authority:   European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer  <b>Van Reeth, K</b>  Telephone No. +49 89 2399 2609



**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/GB99/04064

**I. Basis of the report**

1. This report has been drawn on the basis of *(substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments (Rules 70.16 and 70.17).):*

**Description, pages:**

1-10 as originally filed

**Claims, No.:**

1-18 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).  
☐ the language of publication of the international application (under Rule 48.3(b)).  
☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority in written form.  
☐ furnished subsequently to this Authority in computer readable form.  
☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.  
☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:  
☐ the claims, Nos.:  
☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/GB99/04064

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*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**VIII. Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:  
**see separate sheet**

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/GB99/04064

1. Claim 1 is not clear within the meaning of Article 6 PCT.  
The expression "lithographic printing" in the claim to a skilled person has a general meaning. In the description page 3, paragraph 3, however, is stated a very special but from the claim 1 differing meaning of the expression. The claim, therefore, is misleading.
2. From the document WO9748257, which is cited in the description of the present application, there is known a process for forming a conductive layer on a substrate, comprising the steps of depositing ink on the substrate by means of said "lithographic printing" to form a seeding layer, and depositing a first electrically conducting layer on the seeding layer. From this document it is not said explicitly that it should be an electroless deposition. The use of a seed layer for an electroless deposition, however, is a measure which lies within the normal considerations of a skilled person, see e.g. EP0664664. This feature, therefore, does not involve an inventive step. As a consequence, the subject-matter of claim 1, does not involve an inventive step (Article 33.3 PCT).
3. The features of the appendant claims 2-13 cannot be seen as involving an inventive step because they belong to the common technical knowledge of a skilled person. Any combination of these features with the features of claim 1, therefore, cannot define inventive subject-matter within the meaning of Article 33.3 PCT.
4. Claim 14 is an independent device claim and for clarity the claim must specify the inventive features. Claim 14 does not fulfil the requirements of Article 6 PCT.

Relating to claim 15. The use of an ink comprising a polyamide is known from the document US4470883 (col. 4, line 31 - col. 5, line 19). Such an ink as claimed in claim 15, therefore, cannot be seen as involving an inventive step (Article 33.3 PCT). In this claim the expression "lithographic printing" is misleading, as explained for claim 1 in point 1.



**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/GB99/04064

6. It is not apparent which part of the claims could serve as a basis for an independent claim comprising inventive features.

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